

Title (en)

ACTIVATOR WITH CAPACITIVE TOUCH SENSOR

Title (de)

BEDIENEINHEIT MIT KAPAZITIVEM BERÜHRUNGSSENSOR

Title (fr)

UNITÉ DE COMMANDE, EN PARTICULIER POUR UN COMPOSANT DE VÉHICULE

Publication

EP 2647126 B1 20140416 (DE)

Application

EP 11790952 A 20111129

Priority

- DE 102010053342 A 20101203
- EP 2011071235 W 20111129

Abstract (en)

[origin: WO2012072608A1] The control unit, in particular for a vehicle component, is provided with a manually actuatable control element (12) for selecting and optionally for activating a control function, wherein the control element (12) can be moved manually into a selection and/or trigger position for selecting and optionally for activating a control function. In addition, the control unit has a capacitive tactile sensor (41) for identifying manual touching contact with the control element (12) and optionally identifying the event of a hand approaching the control element (12), wherein the tactile sensor (41) has a first and a second electrode (38, 40), which have electrode sides which substantially face one another and are spaced apart from one another. The first electrode (38) is arranged on the control element (12). The second electrode (40) is arranged immovably. The two electrodes (38, 40) extend with respect to one of the two dimensions thereof spanning the electrode sides parallel to the direction of the relative movement of the two electrodes (38, 40), said relative movement being performed as the control element (12) is moved manually into the selection and/or trigger position, wherein the size of the overlapping areas (34, 36) of the opposing electrode sides, which overlapping areas are provided during the relative movement of the two electrodes (38, 40), remains substantially the same.

IPC 8 full level

H03K 17/96 (2006.01); **H03K 17/965** (2006.01)

CPC (source: EP KR US)

H03K 17/00 (2013.01 - KR); **H03K 17/94** (2013.01 - KR); **H03K 17/96** (2013.01 - KR); **H03K 17/962** (2013.01 - KR US); **H03K 17/965** (2013.01 - EP KR US); **H03K 17/975** (2013.01 - KR)

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DOCDB simple family (publication)

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